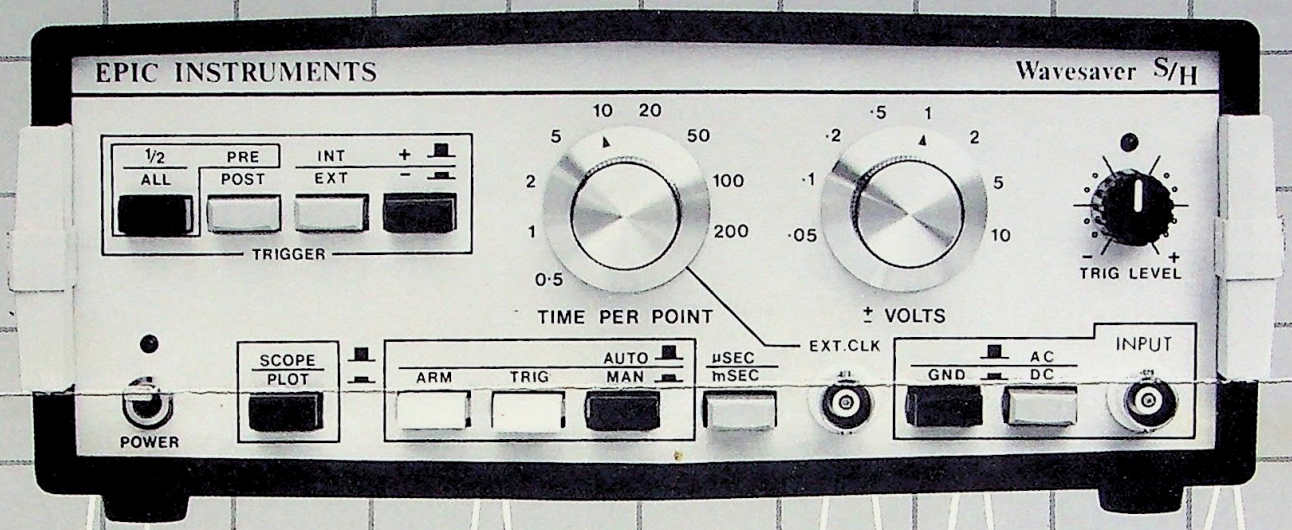
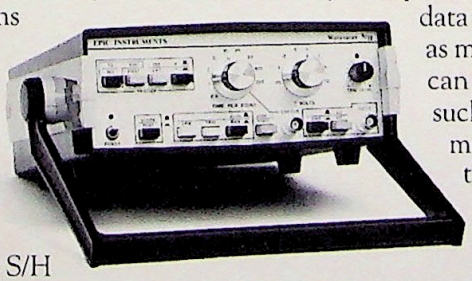
2mHz Transient Waveform Recorder



The Wavesaver S/H is a high performance transient waveform recorder capable of sampling at a rate of 2 mhz with 8 bit accuracy and a memory length of 2k words (2K x 8).

The S/H will transform any oscilloscope into a storage scope without the problems associated with most analog storage oscilloscopes.

Now you can capture signals occurring before or after the trigger point, or mix both pre and post trigger information in the same recording cycle, and by using the "Auto" arm feature, the Wavesaver S/H can be used in a semi-real-time mode.



The S/H is not just for oscilloscopes either, its output is also plotter compatible; effectively increasing the frequency response of a plotter to 2 mhz.

An 8 bit parallel (word serial) port is standard on the S/H, thus allowing easy interfacing to a computer.

If you require a multi-channel simultaneous data acquisition and display system; as many as 16 Wavesaver S/H's can be connected together to form such a network. But probably the most remarkable feature about the new Wavesaver S/H is that with all the above features and more, it is only priced at $693.00*

For any additional information please contact Epic Instruments Inc., 551-G Foster City Blvd., Foster City, CA 94404, U.S.A. (415) 574-9081.

*Domestic U.S. price only

WAVESAVER S/H SPECIFICATIONS

☐ MEMORY SIZE:	2K × 8 (16K)
☐ VERTICAL RESOLUTION:	8 Bits (256 steps)
☐ MAXIMUM DIGITIZING RATE:	2 Mhz (500ns per point)
☐ RECORDING RATES:	
INTERNAL CLOCK:	500ns to 200ms in 1-2-5 steps
EXTERNAL CLOCK:	2Mhz to DC
☐ MAXIMUM INPUT SENSITIVITY:	± 50mv full scale
☐ MINIMUM INPUT SENSITIVITY:	± 10 volts full scale
☐ MAXIMUM INPUT SIGNAL LEVEL:	± 50 volts continuous, ± 75 volts transient
☐ INPUT IMPEDANCE (ALL RANGES):	1 megohm 15pf
☐ TRIGGERING:	
INTERNAL:	Trig-level potentiometer
EXTERNAL:	Via rear panel connector (TTL level) ←
MANUAL:	Front panel Pushbutton switch
SLOPE:	Selectable + or −
☐ ARMING:	
AUTO:	Unit automatically arms itself after display period
MANUAL:	Front panel Pushbutton switch —
EXTERNAL:	Via rear panel connector (TTL level) ←
☐ EXTERNAL INPUTS:	External Arm (TTL level) ←
	External Trigger (TTL level) ←
	External Clock (TTL level)
☐ RECORDING MODES:	
POST-TRIGGER:	Recording begins after the trigger is detected and stops after the 2K memory is filled
PRE-TRIGGER (ALL):	Stops recording after a trigger is detected
PRE-TRIGGER (1/2):	Fills half the memory with information before the trigger and half after the trigger (mixing of pre and post data)
☐ OUTPUTS:	
VERTICAL:	0 to 8 volts (4 volts = 0 reference)
HORIZONTAL:	0 to 1 volt ramp
PLOTTER:	Analog output rate is slowed to allow a hardcopy of the recorded waveform
DIGITAL:	(1) 8 Bit Parallel—TTL levels
	(2) Start signal ←
	(3) Sync signal ←
☐ OPERATING TEMPERATURE:	40° F TO 120° F
☐ POWER REQUIREMENTS:	105vac TO 225vac @ 15 watts, 45–65Hz
☐ PHYSICAL SIZE:	Length = 9.5″ Width = 10.1″
	Height = 3.6″ Weight = 4.5 lbs (approx)